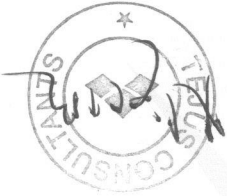


Test Report on Cement

Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .				
Client	Bruhat Bangalore Mahanagar Palike				
Consultant	TEJUS CONSULTANTS				
Contractor	Sri. N. LOKANATH REDDY				
Sample ID	Cement				
Date of Sample Tested	26-11-19				
Sample Supplied By	Agency				
SL.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS:	12269-1987
1	a) Initial Setting Time	IS-4031 (Part-5)	42 Minutes	Not Less than 30 Minutes	
	b) Final Setting Time	IS-4031 (Part-5)	380 Minutes	Not More than 600 Minutes	
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	4 mm	Not More than 10 mm	
3	Standard Consistency	IS-4031 (Part-4)	28.00%		

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.M.P.,
Bangalore

M. H. N. D.



Client's	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura.
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. N LOKANATH REDDY
SPECIFIC GRAVITY AND WATER ABSORPTION	
FINE AGGREGATE (IS-2386-PART-3)	
Type of Material	Sand/M sand
Location/Source	At Plant/site
Period of Soaking	24 hours

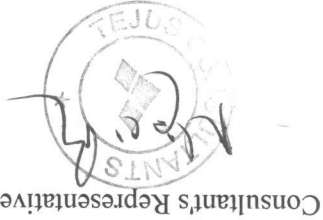
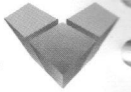
SL No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of saturated surface dry sample gm.	694	688	690	
B	Weight of oven - dry sample gm.	684	678	680	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1708	1708	1707	
E	Bulk specific gravity	2.621	2.659	2.636	2.638
G	Absorption (%)	1.462	1.475	1.471	1.469

SL No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	Average
A	Weight of saturated surface dry sample gm.	694	688	690	
B	Weight of oven - dry sample gm.	684	678	680	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1708	1708	1707	
E	Bulk specific gravity	2.621	2.659	2.636	2.638
G	Absorption (%)	1.462	1.475	1.471	1.469

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

10/11/19

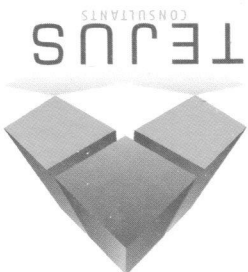


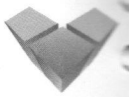


Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Mr. N.D.

TEST REPORT										
Clients		BRUHAT BENGALORE MAHANAGARA PALIKE								
Project		Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura.								
Consultants		TEJUS CONSULTANTS Basaveshwar Nagar Bangalore								
Contractor		Sri. N LOKANATH REDDY								
SIEVE ANALYSIS										
Total Weight:		3000		gms						
Type of Material		Fine aggregate (River Sand/M sand)		Proposed Use		For Drain PCC				
Sample Location		At Plant/site		Date of Sampling		26-11-19				
				Date of Testing		26-11-19				
IS Sieve Size		Weight Retained		Cum. Weight Retained		Cum. % Retained		Cum. % Passing		
								Spec. Limit (%)		
								Passing (Zone-II)		
10.00 mm	0	0	0	0	100.00	100				
4.75 mm	211	211	506	16.87	83.13	75 - 100				
2.36 mm	295	506	1041	34.70	65.30	55 - 90				
1.18 mm	535	1041	1533	51.10	48.90	35 - 59				
0.600 mm	492	1533	2168	72.27	27.73	8-30				
0.300 mm	635	2168	2760	92.00	8.00	0 - 10				
0.150 mm	592	2760	3000							-
Pan	240	3000								
Remarks : Satisfactory / Not Satisfactory										





Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M. N. D.

Project	Client	Consultant	Contractor	Sample ID	Date of Sample Tested	Sample Supplied By	Sl.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987	Not Less than 30 Minutes	Not More than 600 Minutes	385 Minutes	6mm	Not More than 10 mm	27.00%
Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07	Bruhat Bangalore Mahanagar Palike	TEJUS CONSULTANTS	Sri. N. LOKANATH REDDY	Cement	28-11-19	Agency	1	a) Initial Setting Time	IS-4031 (Part-5)	42 Minutes							
								b) Final Setting Time	IS-4031 (Part-5)	385 Minutes							
							2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6mm							
							3	Standard Consistency	IS-4031 (Part-4)	27.00%							

Test Report on Cement



TEST REPORT			
Client's	Bruhat Bangalore Mahanagara Palike		
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .		
Consultants	TEJUS CONSULTANTS Basaveseshwar Nagar Bangalore		
Contractor	Sri. N LOKANATH REDDY		
Total Weight:		10000	gms
SIEVE ANALYSIS			

Type of Material	12.5 mm down size		Date of Sampling	Date of Testing	Proposed Use	Sample Location	IS Sieve Size (in mm)		Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%)
20.0		0			0		20.0		0		0	100	100
12.5		600			600		12.5		600		6.00	94.00	90-100
10.0		3368			3968		10.0		3368		39.68	60.32	40-85
4.75		5510			9478		4.75		5510		94.78	5.22	0-10
Pan		522			10000		Pan		522				
Remarks : Satisfactory / Not Satisfactory													

Consultant's Representative

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Accepted

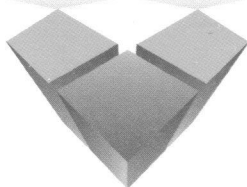


Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Dr. J. M. J.

TEST REPORT									
Clients	Bruhat Bangalore Mahanagara Palike								
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura.								
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore								
Contractor	Sri. N LOKANATH REDDY								
Total Weight:	10000	gms							
SIEVE ANALYSIS									
Type of Material	20 mm down size		Proposed Use	Concrete	Date of Sampling	28-11-19	Date of Testing	28-11-19	Spec. Limit (%)
Sample Location	At Plant		Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%)	Date of Sampling	Date of Testing	Spec. Limit (%)
IS Sieve Size	Weight Retained								
40.00 mm	0	0		0	100	100			100
20.00 mm	285	285		2.85	97.15	97.15			95 - 100
10.00 mm	4790	5075		50.75	49.25	49.25			25 - 55
4.75 mm	4365	9440		94.40	5.60	5.60			0 - 10
Pan	560	10000							
Remarks :									
Satisfactory / Not Satisfactory									



TEST REPORT	
BRUHAT BENGALORE MAHANAGARA PALIKE	Clients
Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .	Project
TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	Contractor
Sri. N LOKANATH REDDY	
SPECIFIC GRAVITY AND WATER ABSORPTION	
FINE AGGREGATE (IS-2386-PART-3)	
Sand/M sand	Type of Material
At Plant/site	Location/Source
Proposed Use	Period of Soaking
Concrete	24 hours
Date of Sampling	Date of Testing
28-11-19	28-11-19

Sl. No.	Test Property		TRIAL - 1		Average	
A	Weight of sturated surface dry sample gm.	671	651	681		2.660
B	Weight of oven - dry sample gm.	662	643	671		
C	Weight of Pycnometer Filled with water gm	1275	1275	1275		
D	Weight of Pycnometer + sample + water gm	1700	1685	1700		
E	Bulk specific gravity	B		2.691	2.668	2.621
F	(C + A - D)	B		1.360	1.244	1.490
G	Absorption (%)	(A - B) * 100		1.365		

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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Consultant's Representative

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

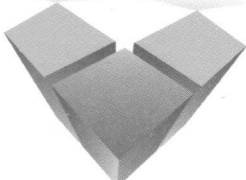
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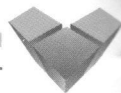
Satisfactory / Not Satisfactory

Remarks :

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)	Sample Location	Type of Material	Total Weight: 3000	Sieve Analysis	Clients	Project	Consultants	Contractor
10.00 mm	0	0	0	100.00	100	At Plant/site	Fine aggregate (River Sand/M sand)	3000	Sieve Analysis	Bruhat Bangalore Mahanagara Palike	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	Sri. N LOKANATH REDDY
4.75 mm	228	228	7.60	92.40	90 - 100	Concrete	Proposed Use	Date of Sampling 28-11-19	Date of Testing 28-11-19				
2.36 mm	278	506	16.87	83.13	75 - 100								
1.18 mm	525	1031	34.37	65.63	55 - 90								
0.600 mm	550	1581	52.70	47.30	35 - 59								
0.300 mm	670	2251	75.03	24.97	8-30								
0.150 mm	520	2771	92.37	7.63	0 - 10								
Pan	229	3000			-								

TEJUS



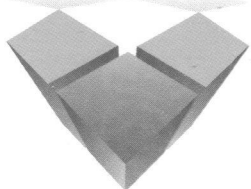


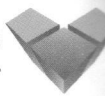
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

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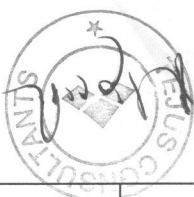
Project	Client	Consultant	Contractor	Grade of concrete:	Size of cube:	Reference IS code:	SL.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07	Byatarayanapura.	TEJUS CONSULTANTS	Sri. N LOKANATH REDDY	M20	150x150x150 mm	IS:516-1959	1	28-11-19	05-12-19	7 days	8.591	22500	298	N/mm ²	13.32
							2	28-11-19	05-12-19	7 days	8.585	22500	301	N/mm ²	13.32
							3	28-11-19	05-12-19	7 days	8.560	22500	300	N/mm ²	13.32





Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

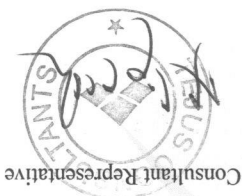
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Test report on Compressive strength of concrete cubes									
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07								
	Client	Bruhat Bangalore Mahanagar Palike							
	Consultant	TEJUS CONSULTANTS							
	Contractor	Sri. N LOKANATH REDDY							
Grade of concrete:		M20							
Size of cube:		150x150x150 mm							
Reference IS code:		IS:516-1959							
Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength	
				Kg	mm ²	KN	N/mm ²	N/mm ²	
1	28-11-19	26-12-19	28 days	8.820	22500	457	20.31	20.41	
2	28-11-19	26-12-19	28 days	8.825	22500	460	20.44	20.41	
3	28-11-19	26-12-19	28 days	8.300	22500	461	20.49	20.41	

Test Report on Cement

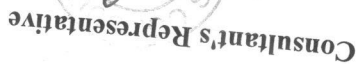
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07						
	Byatarayanapura .						
Client	Bruhat Bangalore Mahanagar Palike						
Consultant	TEJUS CONSULTANTS						
Contractor	Sri. N. LOKANATH REDDY						
Sample ID	Cement						
Date of Sample Tested	04-12-19						
Sample Supplied By	Agency						
SL.No.	Descriptions	Test Method as per IS	Test Result	Requirements as per IS:			
1	a) Initial Setting Time	IS-4031 (Part-5)	42 Minutes	Not Less than 30 Minutes			
	b) Final Setting Time	IS-4031 (Part-5)	388 Minutes	Not More than 600 Minutes			
2	Soundness	IS-4031 (Part-3) By the Le-Chatelier method	6 mm	Not More than 10 mm			
3	Standard Consistency	IS-4031 (Part-4)	27.00%				



Consultant Representative

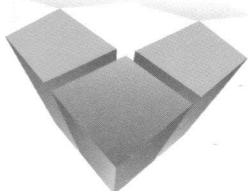
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

M.H.L.F. No.



Bangalore.

our journey

TEJUS CONSULTANTS

TEST REPORT						
Clients	Bruhat Bangalore Mahanagara Palike					
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura.					
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore					
Contractor	Sri. N LOKANATH REDDY					
Total Weight:	10000	gms				
SIEVE ANALYSIS						
Type of Material	20 mm down size		Proposed Use	Date of Sampling	Date of Testing	Cum. % Passing
Sample Location	At Plant			04-12-19	04-12-19	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained			Spec. Limit (%)
40.00 mm	0	0	0		100	100
20.00 mm	285	285	2.85		97.15	95 - 100
10.00 mm	4790	5075	50.75		49.25	25 - 55
4.75 mm	4365	9440	94.40		5.60	0 - 10
Pan	560	10000				
Remarks : Satisfactory / Not Satisfactory						

Consultant's Representative



Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Signature

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Clients	Bruhath Bangalore Mahanagara Palike
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. N LOKANATH REDDY

SIEVE ANALYSIS

Total Weight:	3000	gms
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Type of Material	Fine aggregate (River Sand/M sand)
Sample Location	At Plant/site
Date of Sampling	04-12-19
Date of Testing	04-12-19
Proposed Use	Concrete

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	235	235	7.83	92.17	90 - 100
2.36 mm	285	520	17.33	82.67	75 - 100
1.18 mm	522	1042	34.73	65.27	55 - 90
0.600 mm	550	1592	53.07	46.93	35 - 59
0.300 mm	670	2262	75.40	24.60	8 - 30
0.150 mm	520	2782	92.73	7.27	0 - 10
Pan	218	3000			-

Remarks : Satisfactory / Not Satisfactory



Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Amey. W

Test report on Compressive strength of concrete cubes								
Project	Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07		Client	Bruhat Bangalore Mahanagar Palike		Consultant	TEJUS CONSULTANTS	
			Contractor	Sri. N LOKANATH REDDY		Grade of concrete:	M20	
		Size of cube:	150x150x150 mm		Reference IS code:	IS:516-1959		
SL.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
1	04-12-19	11-12-19	7 days	8.600 Kg	mm ²	KN	N/mm ²	N/mm ²
2	04-12-19	11-12-19	7 days	8.580	22500	300	13.33	13.38
3	04-12-19	11-12-19	7 days	8.620	22500	304	13.51	



Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Amulya N D

Test report on Compressive strength of concrete cubes

Project Construction of RCC retaining Wall near Water tank (behind govt School) in Sanjeevininagara in Ward no.07 Byatarayanapura .

Client Bruhat Bangalore Mahanagar Palike

Consultant TEJUS CONSULTANTS

Contractor Sri. N LOKANATH REDDY

Grade of concrete: M20

Size of cube: 150x150x150 mm

Reference IS code: IS:516-1959

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
1	04-12-19	01-01-20	28 days	8.823	22500	460	20.44	20.55
2	04-12-19	01-01-20	28 days	8.828	22500	465	20.67	20.55
3	04-12-19	01-01-20	28 days	8.350	22500	462	20.53	20.55



[Signature]
Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

[Signature]
A.M.P. 110

